

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE **X** _____ WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____DATE FILED **9-25-85**

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-26420

INDIAN

DRILLING APPROVED: **9-30-85 - OIL (Cause No. 102-16B)**

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

1-21-87**L A I D**

FIELD:

GREATER CISCO

UNIT:

COUNTY:

GRAND

WELL NO.

FEDERAL 17-2

LOCATION

847' FNL

FT. FROM (N) (S) LINE.

688' FWL

FT. FROM (E) (W) LINE.

API #43-019-31207**NW NW**

1/4 - 1/4 SEC.

17

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

21S**24E****17****WALTER D. BROADHEAD**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Walter D. Broadhead

3. ADDRESS OF OPERATOR

1645 N 7th St Grand Junction Colo 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

847 Ft. F.N.L. and 688 Ft from the

At proposed prod. zone

west line of Sec, 17, T21S, R24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Two mile North East of Escalante Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

688

16. NO. OF ACRES IN LEASE

640

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

900'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4386

22. APPROX. DATE WORK WILL START*

Oct 10, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7 1/2"	17 LB	100'	25 Circulate
6 1/4"	4 1/2"	10.5	900'	40 SX

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/30/85

BY: John R. Dyer

WELL SPACING: 102-16(B)

11/15/89

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Walter D. Broadhead

TITLE

operator

DATE

9-23-85

(This space for Federal or State office use)

PERMIT NO.

43-019-31207

APPROVAL DATE

APPROVED BY

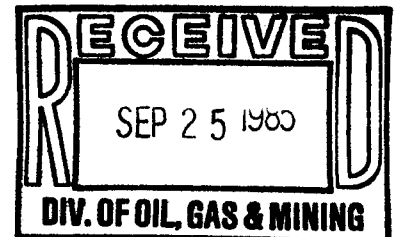
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

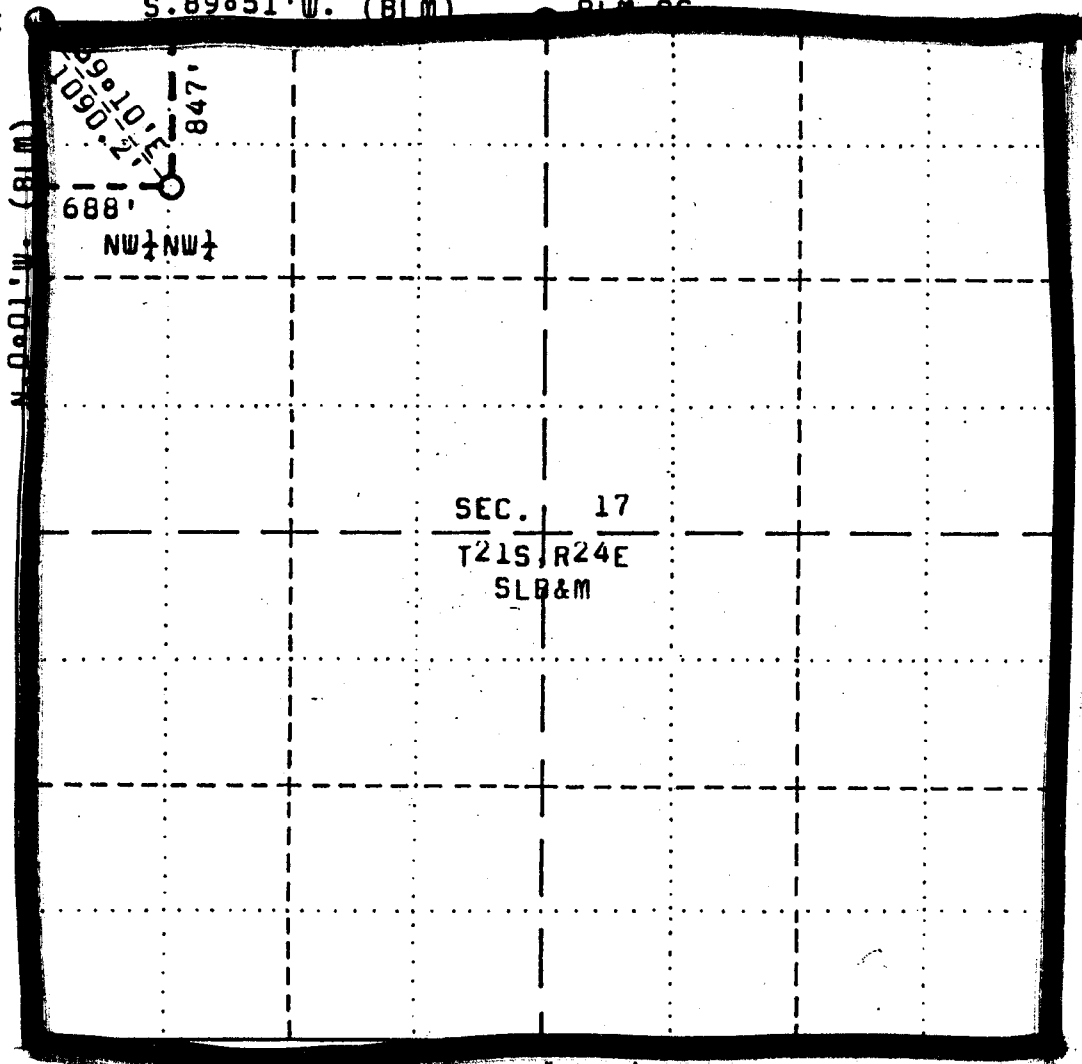
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



BLM BC

S. 89° 51' W. (BLM)

BLM BC



SCALE: 1" = 1000'

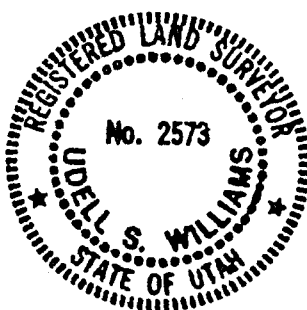
FEDERAL BROADHEAD #17-2

oil

Located 847 feet from the North line and 688 feet from the West line of Section 17, T21S, R24E, SLB&M.

Elev. 4386

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION

FEDERAL BROADHEAD #17-2
NW 1/4 NW 1/4 SECTION 17
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 5/2/85
DRAWN BY: USW DATE: 5/3/85

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Walter D. Broadhead Well No. 17-2
Location: Sec. 17 T. 21.S R. 24.E Lease No U-26420
Onsite Inspection Date August 11, 1985

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

MANCOS:	0 to 430'
DAKOTA:	430'
BRUSHY BASIN:	730'
SALT WASH	880'

2. Estimated Depth at Which Oil, Gas, Water, or Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	Brushy Basin	730'
Expected gas zones:	Salt Wash	880'
Expected water zones:	?? Dakota	470'
Expected mineral zones:	None	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

Regan torus blowout preventor
working pressure 5,000 PSI

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. The Resource Area will be notified _____ days in advance when pressure tests are to be conducted.

4. Casing Program and Auxiliary Equipment: _____
Surface 9-3/4" hole
Casing 7" to 100'
Cement circulated to surface
Drill 6-1/4" hole to T.D. Air drilling.
Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (~~will~~/will not) be notified _____ days in advance when running casing strings and cement.
5. Mud Program and Circulating Medium: _____
Gel mud with KEL will be used to kill well or drill if necessary.

Blooe line will be misted to reduce fugitive dust when air drilling.
6. Coring, Logging, and Testing Program: _____
Drill with air and if any shows of oil or gas is encountered will log.
Dual induction laterolog.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:
Past drilling in area does not show any abnormal conditions.
No hydrogen sulfide gas expected.

8. Anticipated Starting Dates and Notification of Operations:

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/~~will~~ ~~XXXXXX~~) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4-1/2" pipe 4' above surface with
proper identification on pipe.

The top of the marker will be closed or capped. .

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

Other: _____

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

a. Location of proposed well in relation to town or other reference point: two miles north east of Cisco, Utah.

b. Proposed route to location: Leave county road west side
Sec. 8. Go east 1/4 mile. South 1/2 mile to Sec. 17
T.21S. R.24E.

c. Plans for improvement and/or maintenance of existing roads:
Will use existing road as is while drilling well.
Should the well be a producer, the existing road
and new access will be constructed to the Bureau's
Class III standards.

d. Other: _____

2. Planned Access Roads: NO NEW CONSTRUCTION PLANNED

a. The maximum total disturbed width will be 16 feet.

b. Maximum grades: _____

c. Turnouts: _____

d. Location (centerline): _____

e. Drainage: _____

f. Surface Materials: _____

g. Other: _____

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells: Fed. Broadhead 8-3. SE 1/4. NW 1/4.
NW 1/4. Sec. 8 T.21S. R 24E. Fed. Broadhead 17-1 NW 1/4.
N.E 1/4. NW 1/4. Sec. 17 T.21S. R 24E.

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Juniper or Sage Green

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:
Colorado River or Cottonwood Wash.

_____.

A temporary water use permit for this operation will be obtained from the Utah State Engineer Application No. 01-215- (T 60451).
Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from: _____
No outside material will be required.

_____.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7. Methods of Handling Water Disposal:

The reserve pit (~~will~~/will not) be lined" Unless required by BLM

Three sides of the reserve pit will be fenced with 4' net wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: Contractor or Operator

If burning is required, a permit will be obtained from the State Fire Warden

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Other:

8. Ancillary Facilities:

Camp facilities (~~will~~/will not) be required. They will be located:

9. Well Site Layout:

The reserve pit will be located: Refer to Exhibit "G"

The top six inches of soil material will be removed from the location and stockpiled separately on East side of pad

Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from: North

The trash pit will be located: Refer to Exhibit H

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

The operator or his contractor (~~will not~~) notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

[illegible]

- B.L.M.

Other Information: _____

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

A cultural resource clearance (~~will/XXXXX~~) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name: Walter D. Broadhead
Address: 1645 North 7th St.
Grand Junction, Colo. 81501
Phone No.: (303) 242-7717

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by: Walter D. Broadhead and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Sept. 11, 1985

Date

Walter D. Broadhead Operator
Name and Title

ONSITE

DATE: _____

PARTICIPANTS:

TITLES:

Your contact with the District Office is: _____

Office Phone: _____

City: _____

State: _____

Resource Area Manager's address and contacts are:

Address: _____

Your contact is: _____

Office Phone: _____

Exhibit "G"
Drill Pad Layout
Grand County, Utah

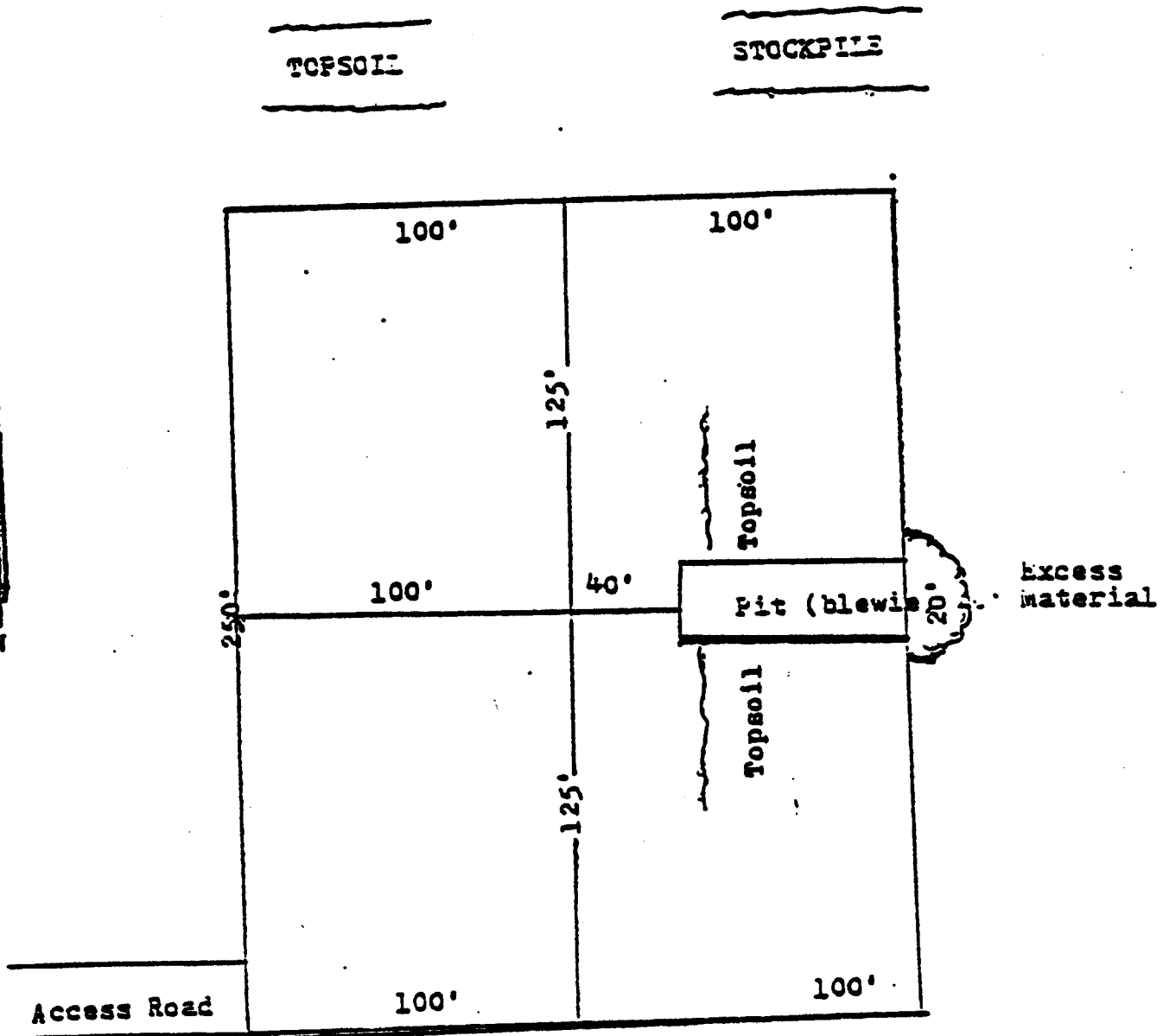
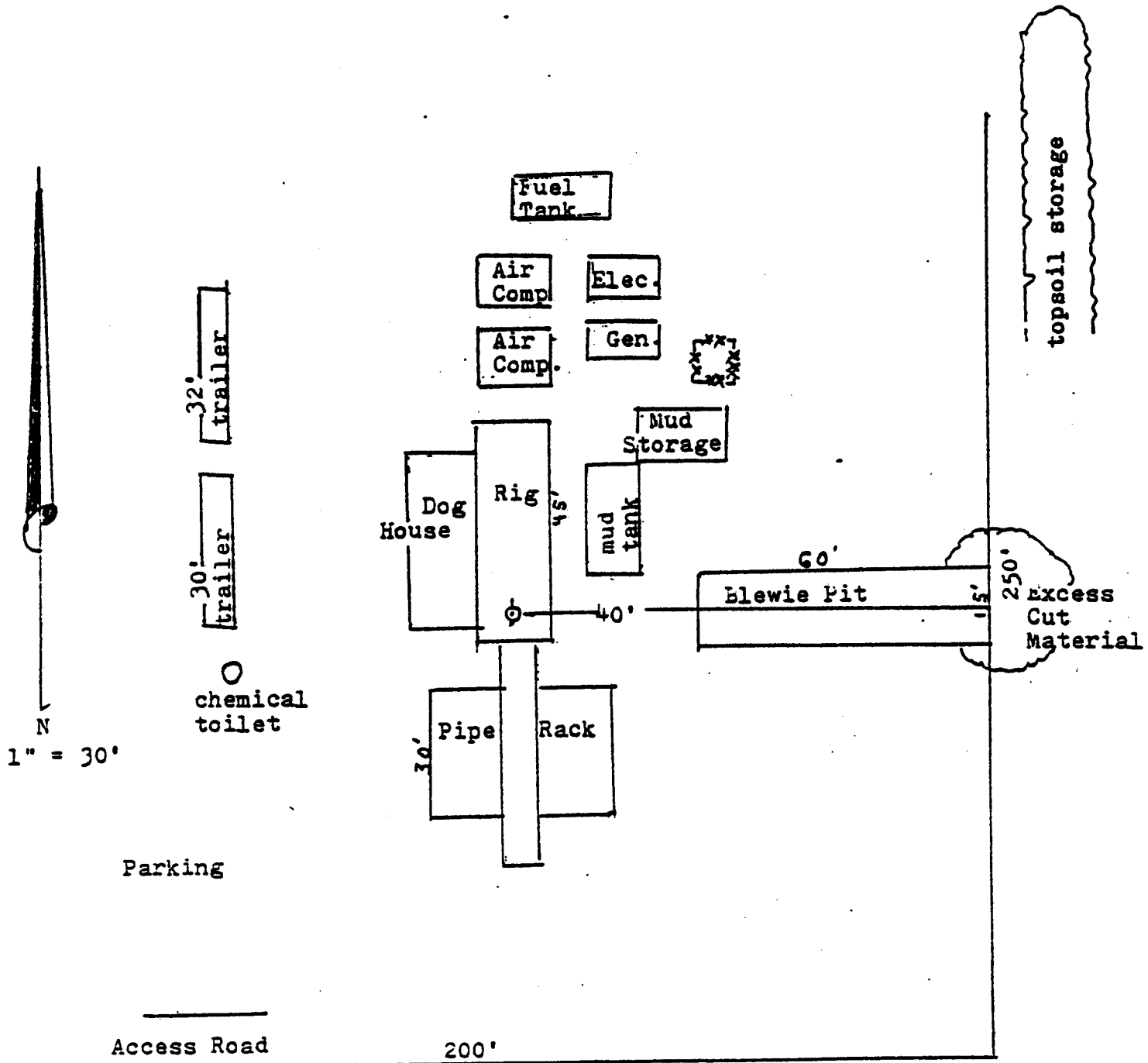
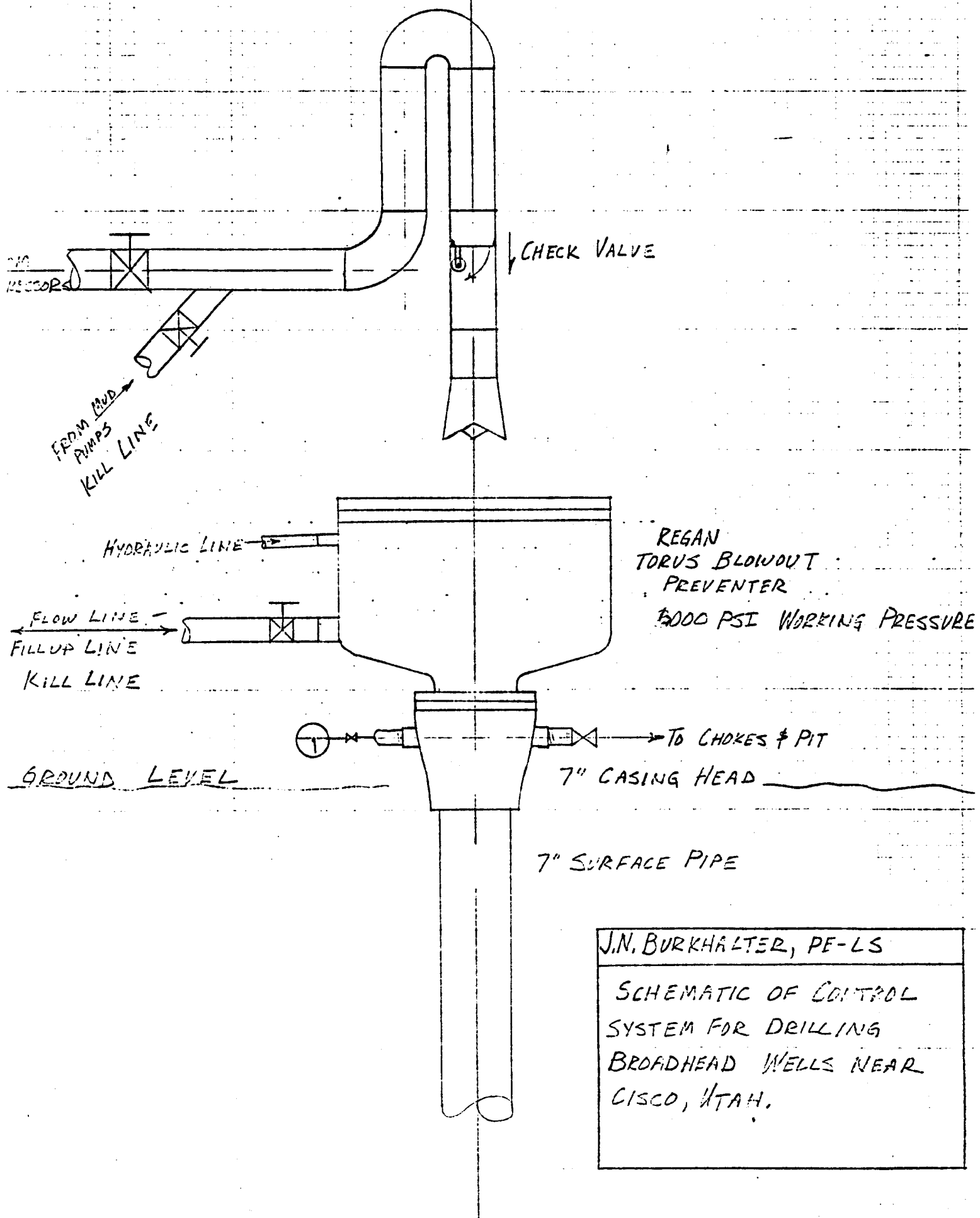


Exhibit "H"
Drill Rig Layout



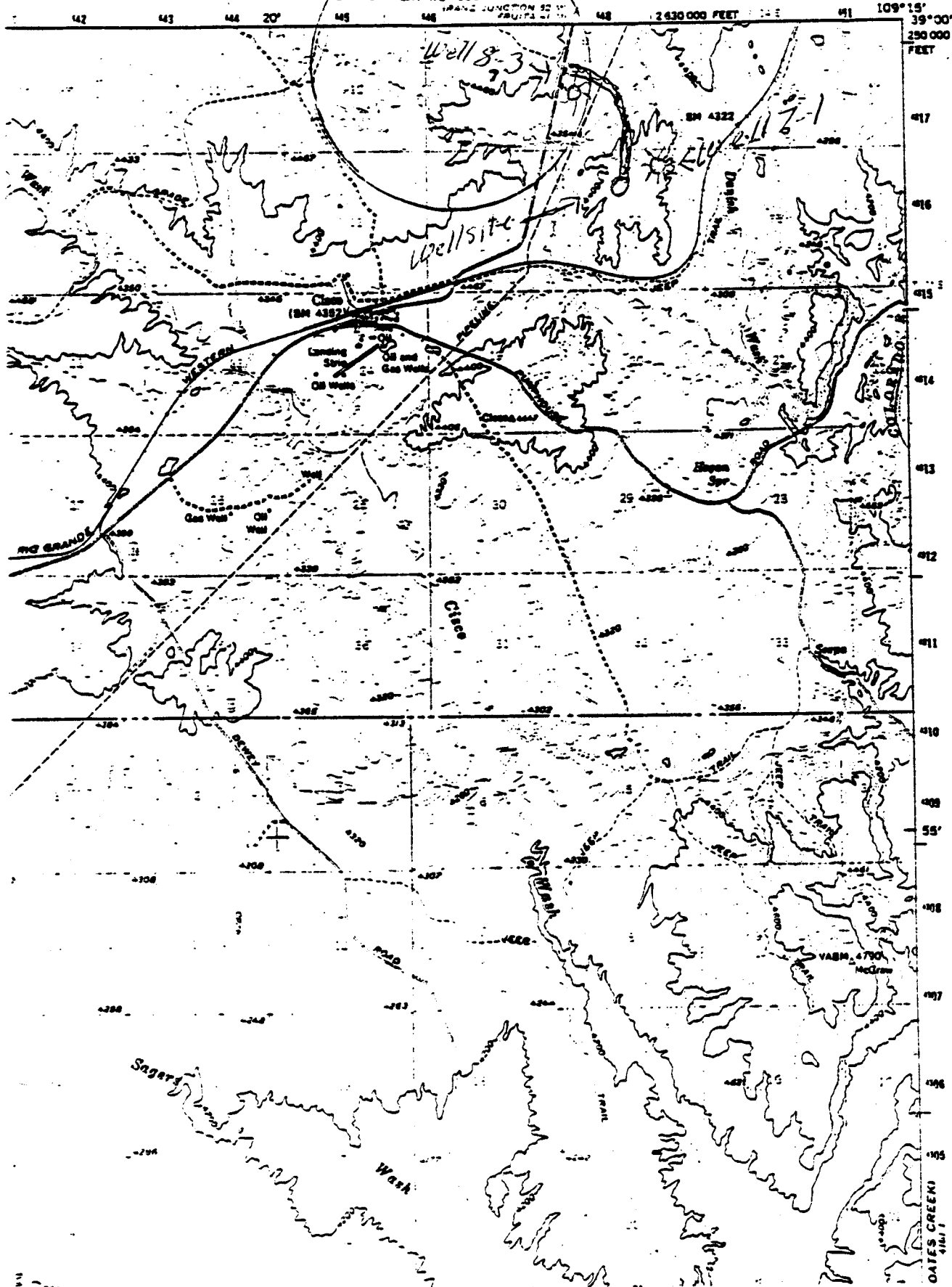


J.N. BURKHALTER, PE-LS

SCHEMATIC OF CONTROL
SYSTEM FOR DRILLING
BROADHEAD WELLS NEAR
CISCO, UTAH.

ES
MISSION

CISCO QUADRANGLE
UTAH-GRAND CO.
15 MINUTE SERIES (TOPOGRAPHIC)



RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 21 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐ DIVISION OF ☐ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

GAS & MINING

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Walter D. Broadhead

3. ADDRESS OF OPERATOR

1645 N 7th St Grand Junction Colo 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

847 Ft. F.N.L. and 688 Ft from the

At proposed prod. zone

west line of Sec, 17, T21S, R24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Two mile North East of Escalante Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

688

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

900'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

Oct 10, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4 6 1/4	7 1/2 4 1/2	17 LB 10.5	100' 900	25 Circulate 40 SX

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Walter D. Broadhead TITLE operator DATE 9-23-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Acting

DISTRICT MANAGER

APPROVED BY

/s/ James J. Davis

TITLE

DATE 17 OCT 1985

CONDITIONS OF APPROVAL, IF ANY:

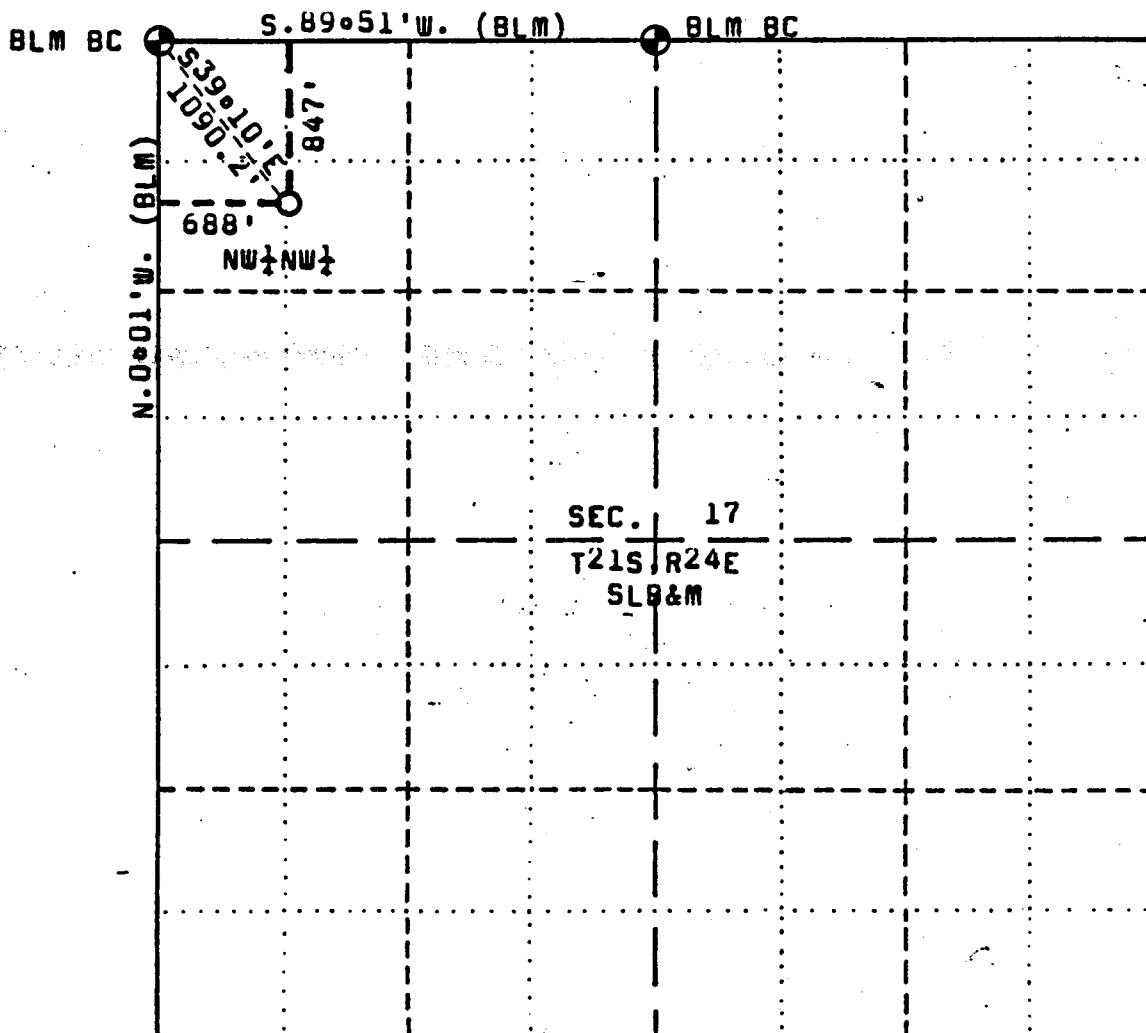
FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of Utah - DGM



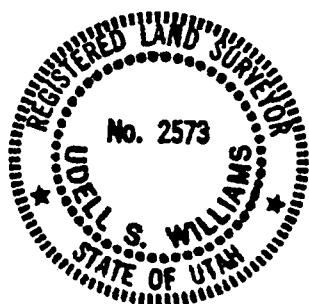
SCALE: 1" = 1000'

FEDERAL BROADHEAD #17-2

Located 847 feet from the North line and 688 feet from the West line of Section 17, T21S, R24E, SLB&M.

Elev. 4386

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
FEDERAL BROADHEAD #17-2
NW 1/4 NW 1/4 SECTION 17
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 5/2/85
DRAWN BY: USW DATE: 5/3/85

Walter D. Broadhead
Well No. Federal 17-2
Sec. 17, T. 21 S., R. 24 E.
Grand County, Utah
Lease U-26420

B. SURFACE USE PROGRAM

Produced waste water will be confined to a unlined pit.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface (details specified by BLM field personnel).

The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Sporobolus cryptandros	Sand dropseed	2
Hilaria jamesii	Galleta (Curlygrass)	2
Oryzopsis hymenoides	Indian ricegrass	2
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1
Medicago sativa	Alfalfa	1
	(Spreador II, Nomad, Ladak)	
<u>Shrubs</u>		
Atriplex canescens	Fourwing saltbush	2
Eurotia lanata	Winterfat (Whitesage)	2

12 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Greg Noble, Petroleum Engineer Office Phone: (801)259-6111

Home Phone: _____

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins Office Phone: (801)259-8193

Home Phone: 259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

OPERATOR Walter D. Broadhead DATE 9-26-85

WELL NAME Federal 17-2

SEC NWNW 17 T 21S R 24E COUNTY Grant

43-819-31207
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 400'
Need water permit

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT



c-3-a

102-16(B) 11/15/79
CAUSE NO. & DATE



c-3-b



c-3-c

STIPULATIONS:

1- water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 30, 1985

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Gentlemen:

Re: Well No. Federal 17-2 - NW NW Sec. 17, T. 21S, R. 24E
847' FNL, 688' FWL - Grand County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with the Order of Cause No. 102-16(b) dated November 15, 1979 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

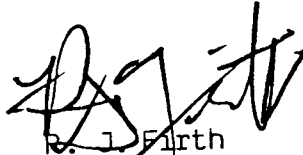
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Walter D. Broadhead
Well No. Federal 17-2
September 30, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31207.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth", written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

012009

3162 (U-065)
(U-26420)

RECEIVED
JAN 09 1987

DIVISION OF
OIL, GAS & MINING

Moab District
P. O. Box 970
Moab, Utah 84532

JAN 8 1987

Mr. Walter D. Broadhead
1645 North 7th Street
Grand Junction, CO 81501

Re: Rescinding Application for
Permit to Drill
Well No. Federal 17-2
Sec. 17, T. 21 S., R. 24 E.
Grand County, Utah
Lease U-26420

Gentlemen:

The Application for Permit to Drill the referenced well was approved on October 17, 1985. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/S/ GENE NODINE

District Manager

cc:

State of Utah, Division of Oil, Gas and Mining ✓
Grand Resource Area

bcc:

U-942, Utah State Office

CFreudiger/cf 1/6/87



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

John
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 21, 1987

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Gentlemen:

RE: Well No. Federal #17-2, Sec.17, T.21S, R.24E,
Grand County, Utah, API NO. 43-019-31207

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

John R. Baza
John R. Baza
Petroleum Engineer

sb
cc: BLM-Moab
D. R. Nielson
R. J. Firth
✓ Well file
0327T-41

*870121
VC*

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE **X** _____ WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____DATE FILED **9-25-85**

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-26420

INDIAN

DRILLING APPROVED: **9-30-85 - OIL (Cause No. 102-16B)**

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

1-21-87**L A I D**

FIELD:

GREATER CISCO

UNIT:

COUNTY:

GRAND

WELL NO.

FEDERAL 17-2

LOCATION

847' FNL

FT. FROM (N) (S) LINE.

688' FWL

FT. FROM (E) (W) LINE.

API #43-019-31207**NW NW**

1/4 - 1/4 SEC.

17

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

21S**24E****17****WALTER D. BROADHEAD**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Walter D. Broadhead

3. ADDRESS OF OPERATOR

1645 N 7th St Grand Junction Colo 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

847 Ft. F.N.L. and 688 Ft from the

At proposed prod. zone

west line of Sec, 17, T21S, R24E

5. LEASE DESIGNATION AND SERIAL NO.

11-26420

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Fed. 17-2

10. FIELD AND POOL, OR WILDCAT

Greater Cisco Area

11. SEC., T., R., M., OR BLK.

Sec 17- T21S R24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Two mile North East of Cisco Utah

NW/NE

12. COUNTY OR PARISH

Grand

13. STATE

Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

688

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

900'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4386

22. APPROX. DATE WORK WILL START*

Oct 10, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7 1/2"	17 LB	100'	25 Circulate
6 1/4"	4 1/2"	10.5	900'	10 SX

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/30/85

BY: John R. Dyer

WELL SPACING: 102-16(B)

11/15/89

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Walter D. Broadhead

TITLE

operator

DATE

9-23-85

(This space for Federal or State office use)

PERMIT NO.

43-019-31207

APPROVAL DATE

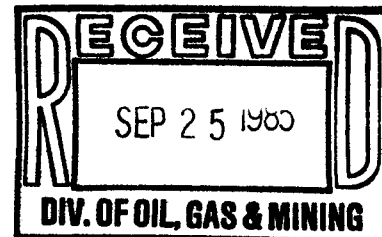
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

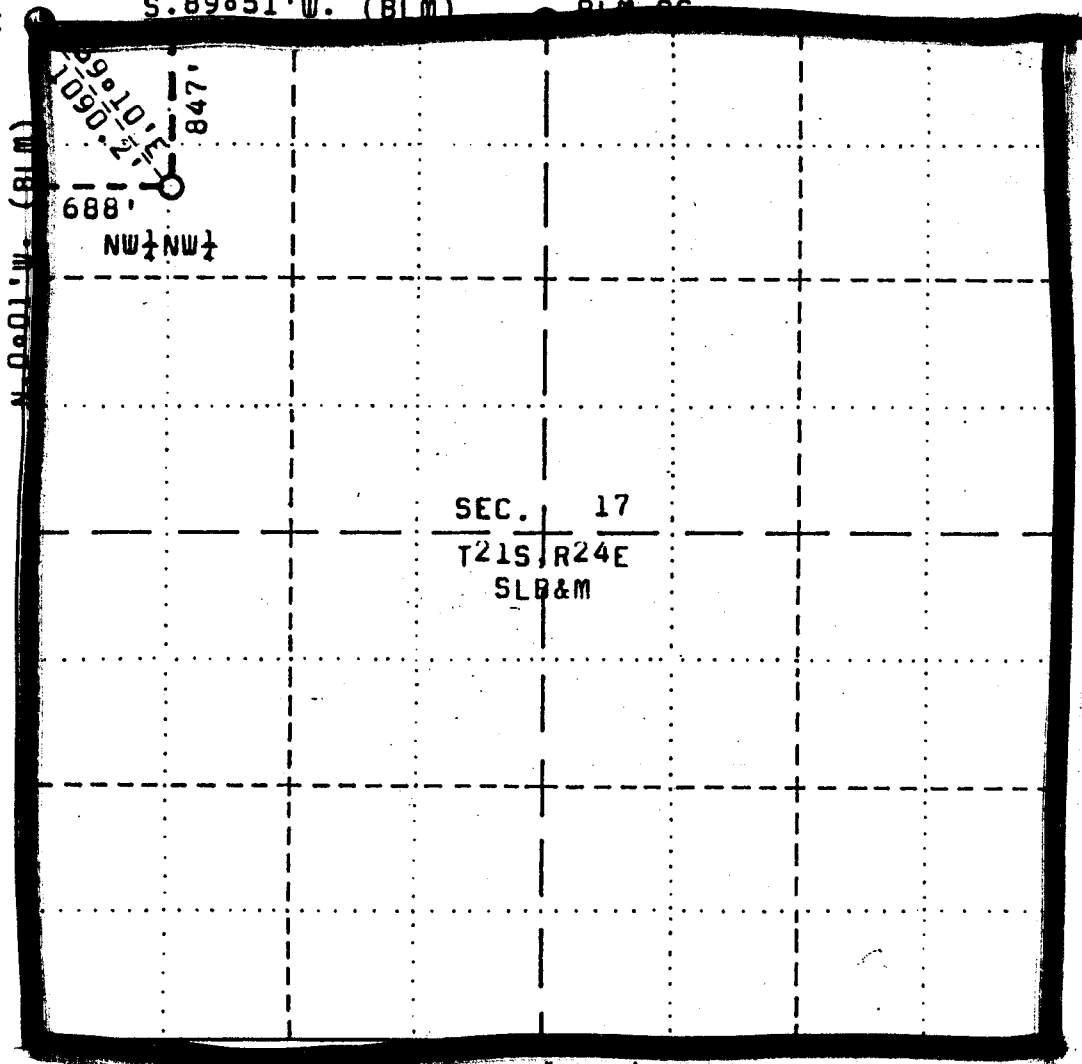
*See Instructions On Reverse Side



BLM BC

S. 89° 51' W. (BLM)

BLM BC



SCALE: 1" = 1000'

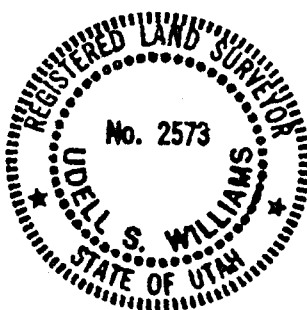
FEDERAL BROADHEAD #17-2

oil

Located 847 feet from the North line and 688 feet from the West line of Section 17, T21S, R24E, SLB&M.

Elev. 4386

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION

FEDERAL BROADHEAD #17-2
NW 1/4 NW 1/4 SECTION 17
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 5/2/85
DRAWN BY: USW DATE: 5/3/85

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Walter D. Broadhead Well No. 17-2
Location: Sec. 17 T. 21.S R. 24.E Lease No U-26420
Onsite Inspection Date August 11, 1985

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

MANCOS:	0 to 430'
DAKOTA:	430'
BRUSHY BASIN:	730'
SALT WASH	880'

2. Estimated Depth at Which Oil, Gas, Water, or Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	Brushy Basin	730'
Expected gas zones:	Salt Wash	880'
Expected water zones:	?? Dakota	470'
Expected mineral zones:	None	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

Regan torus blowout preventor
working pressure 5,000 PSI

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. The Resource Area will be notified _____ days in advance when pressure tests are to be conducted.

4. Casing Program and Auxiliary Equipment: _____
Surface 9-3/4" hole
Casing 7" to 100'
Cement circulated to surface
Drill 6-1/4" hole to T.D. Air drilling.
Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (~~will~~/will not) be notified _____ days in advance when running casing strings and cement.
5. Mud Program and Circulating Medium: _____
Gel mud with KEL will be used to kill well or drill if necessary.

Blooe line will be misted to reduce fugitive dust when air drilling.
6. Coring, Logging, and Testing Program: _____
Drill with air and if any shows of oil or gas is encountered will log.
Dual induction laterolog.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:
Past drilling in area does not show any abnormal conditions.
No hydrogen sulfide gas expected.

8. Anticipated Starting Dates and Notification of Operations:

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/~~will not~~) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4-1/2" pipe 4' above surface with
proper identification on pipe.

The top of the marker will be closed or capped. .

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

Other: _____

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

a. Location of proposed well in relation to town or other reference point: two miles north east of Cisco, Utah.

b. Proposed route to location: Leave county road west side
Sec. 8. Go east 1/4 mile. South 1/2 mile to Sec. 17
T.21S. R.24E.

c. Plans for improvement and/or maintenance of existing roads:
Will use existing road as is while drilling well.
Should the well be a producer, the existing road
and new access will be constructed to the Bureau's
Class III standards.

d. Other: _____

2. Planned Access Roads: NO NEW CONSTRUCTION PLANNED

a. The maximum total disturbed width will be 16 feet.

b. Maximum grades: _____

c. Turnouts: _____

d. Location (centerline): _____

e. Drainage: _____

f. Surface Materials: _____

g. Other: _____

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells: Fed. Broadhead 8-3. SE 1/4. NW 1/4.
NW 1/4. Sec. 8 T.21S. R 24E. Fed. Broadhead 17-1 NW 1/4.
N.E 1/4. NW 1/4. Sec. 17 T.21S. R 24E.

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Juniper or Sage Green

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:
Colorado River or Cottonwood Wash.

A temporary water use permit for this operation will be obtained from the Utah State Engineer Application No. 01-215- (T 60451).
Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from: _____
No outside material will be required.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7. Methods of Handling Water Disposal:

The reserve pit (~~will~~/will not) be lined" Unless required by BLM

Three sides of the reserve pit will be fenced with 4' net wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: Contractor or Operator

If burning is required, a permit will be obtained from the State Fire Warden

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Other:

8. Ancillary Facilities:

Camp facilities (~~will~~/will not) be required. They will be located:

9. Well Site Layout:

The reserve pit will be located: Refer to Exhibit "G"

The top six inches of soil material will be removed from the location and stockpiled separately on East side of pad

Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from: North

The trash pit will be located: Refer to Exhibit H

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

The operator or his contractor (~~will not~~) notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

[illegible]

- B.L.M.

Other Information: _____

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

A cultural resource clearance (~~will/XXXXX~~) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name: Walter D. Broadhead
Address: 1645 North 7th St.
Grand Junction, Colo. 81501
Phone No.: (303) 242-7717

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by: Walter D. Broadhead and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Sept. 11, 1985

Date

Walter D. Broadhead Operator
Name and Title

ONSITE

DATE: _____

PARTICIPANTS:

TITLES:

Your contact with the District Office is: _____

Office Phone: _____

City: _____

State: _____

Resource Area Manager's address and contacts are:

Address: _____

Your contact is: _____

Office Phone: _____

Exhibit "G"
Drill Pad Layout
Grand County, Utah

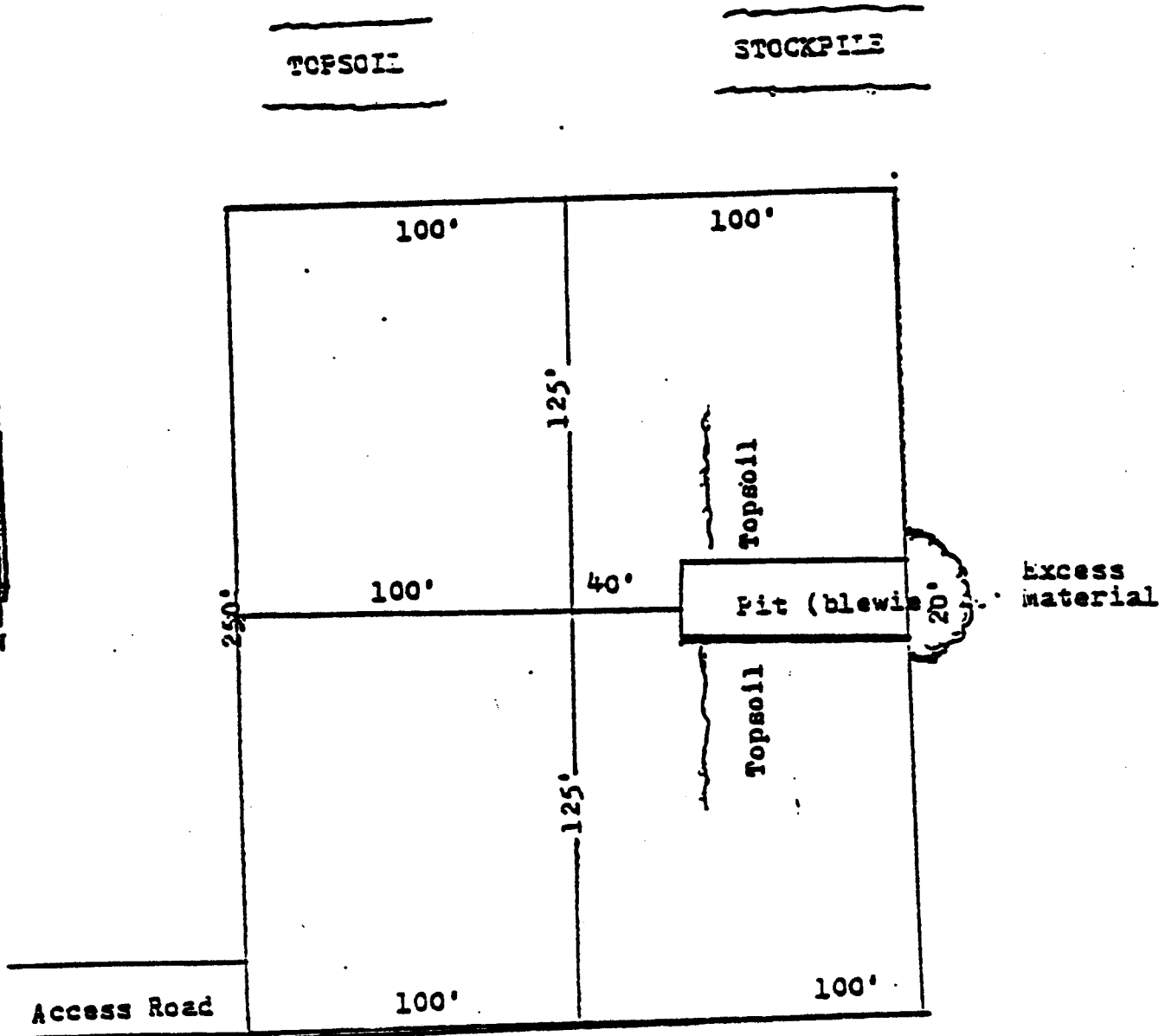
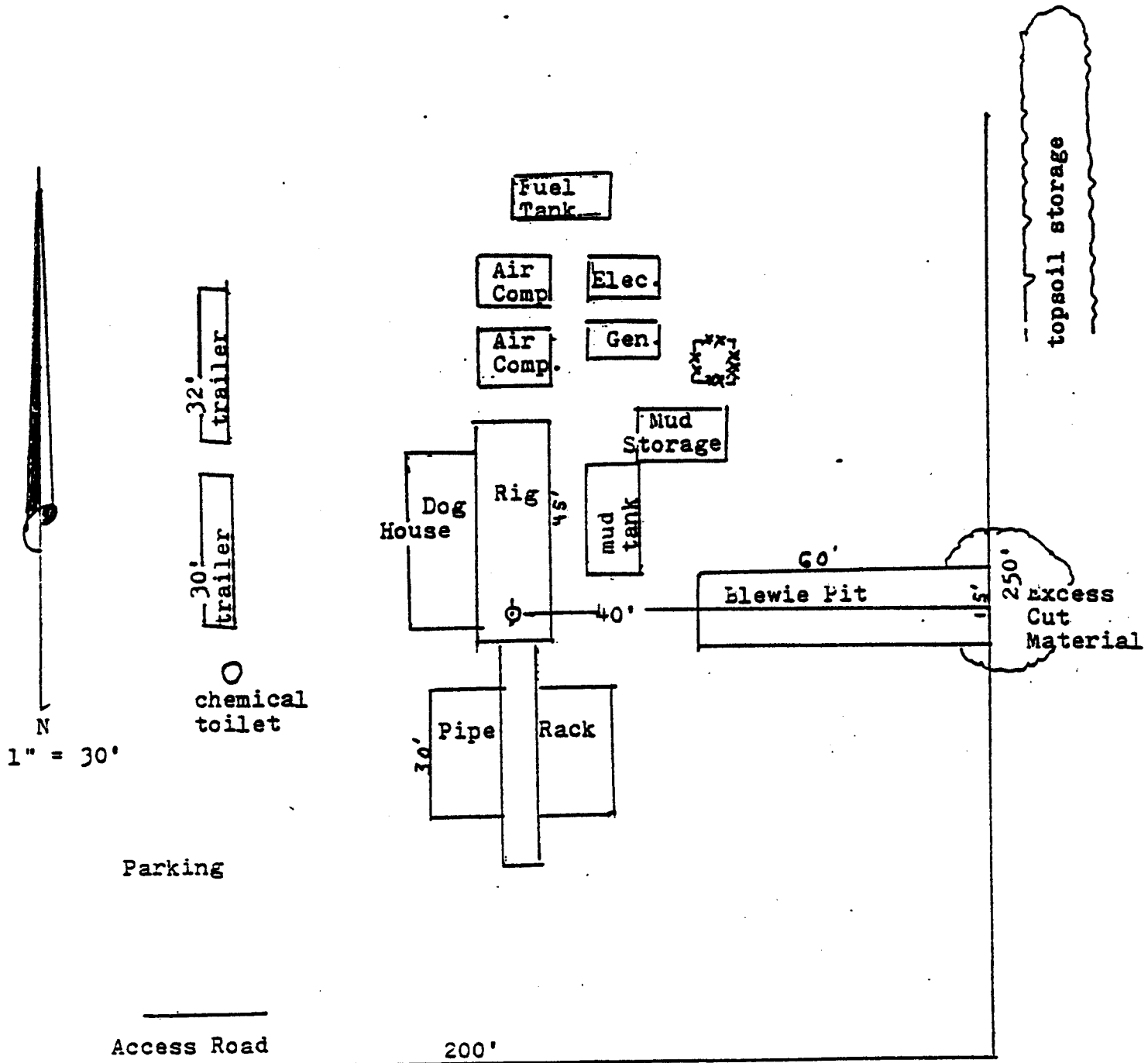
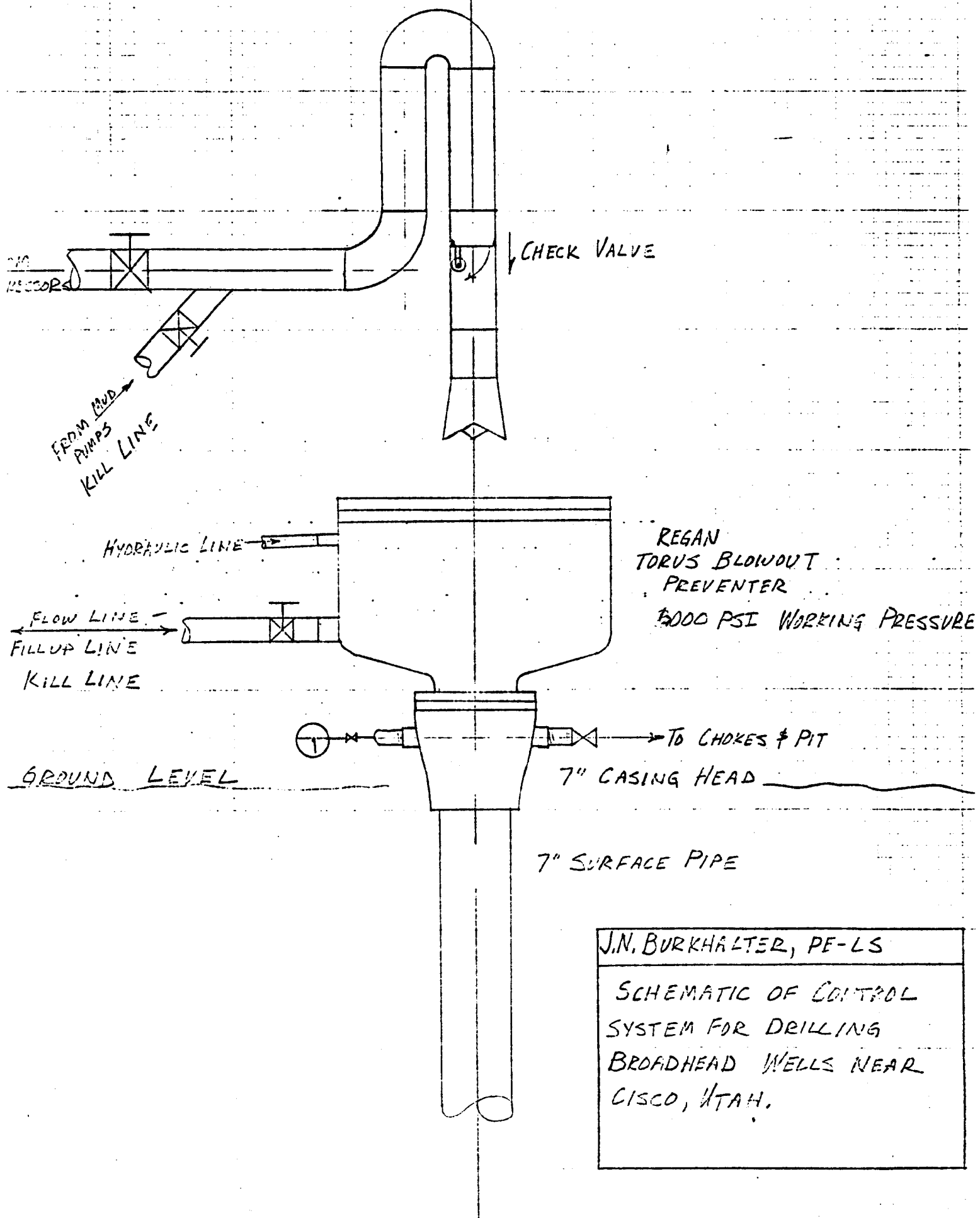


Exhibit "H"
Drill Rig Layout



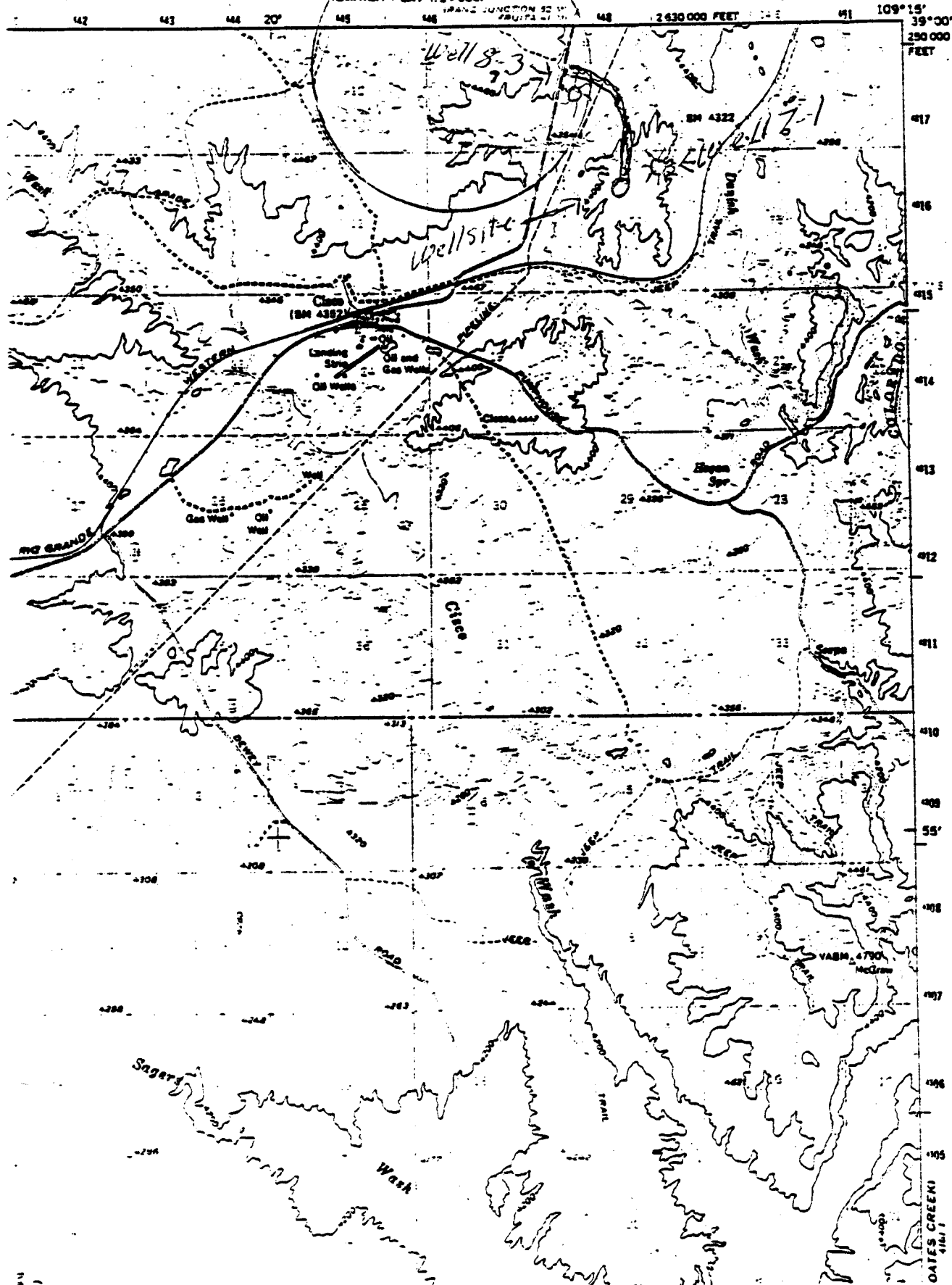


J.N. BURKHALTER, PE-LS

SCHEMATIC OF CONTROL
SYSTEM FOR DRILLING
BROADHEAD WELLS NEAR
CISCO, UTAH.

ES
MISSION

CISCO QUADRANGLE
UTAH-GRAND CO.
15 MINUTE SERIES (TOPOGRAPHIC)



RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 21 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐ DIVISION OF ☐ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

GAS & MINING

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Walter D. Broadhead

3. ADDRESS OF OPERATOR

1645 N 7th St Grand Junction Colo 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

847 Ft. F.N.L. and 688 Ft from the

At proposed prod. zone

west line of Sec, 17, T21S, R24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Two mile North East of Escalante Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

688

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

900'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

Oct 10, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4 6 1/4	7 1/2 4 1/2	17 LB 10.5	100' 900'	25 Circulate 40 SX

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Walter D. Broadhead TITLE operator DATE 9-23-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

1st James J. Davis

Acting

DISTRICT MANAGER

TITLE

DATE

17 OCT 1985

CONDITIONS OF APPROVAL, IF ANY:

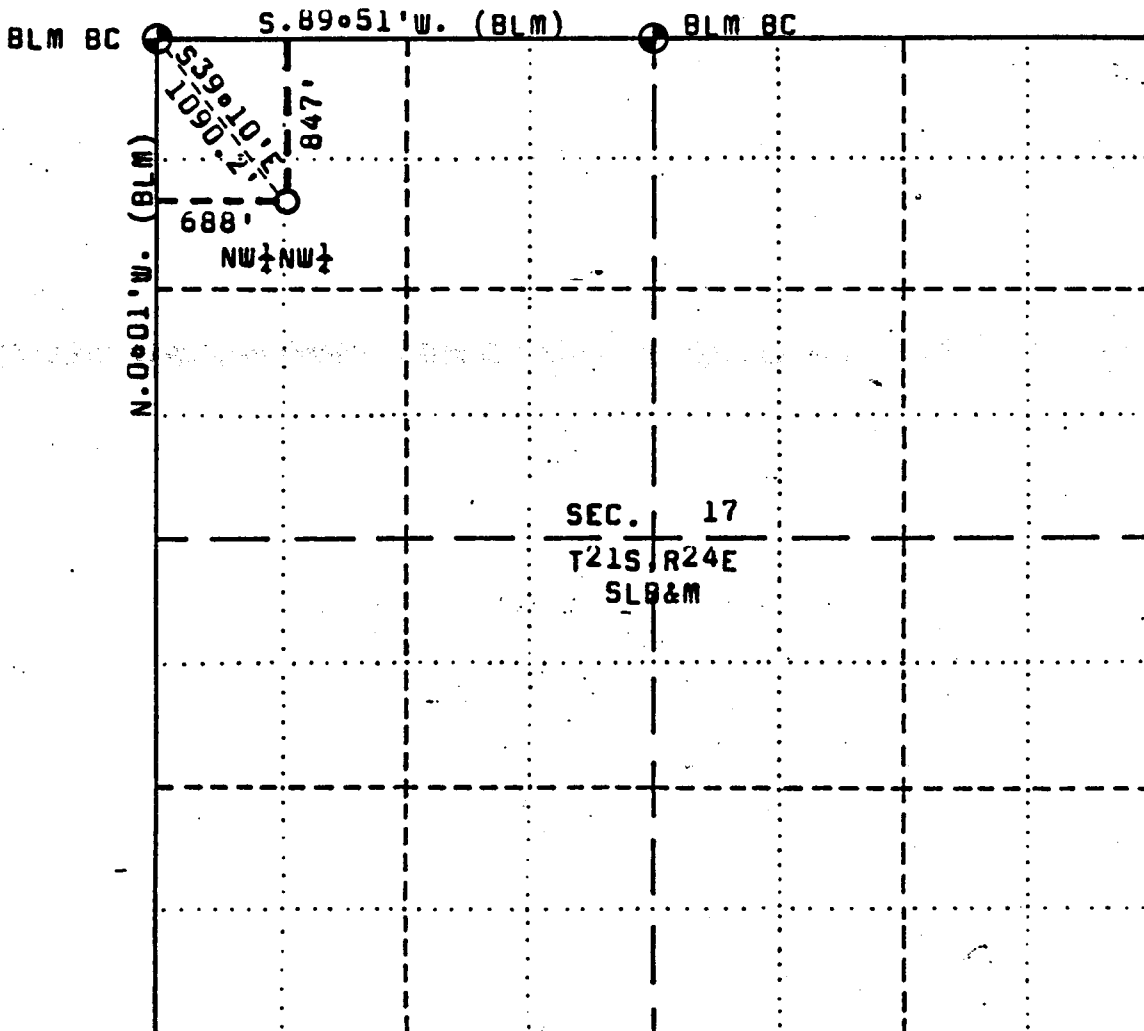
FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of Utah - DGM



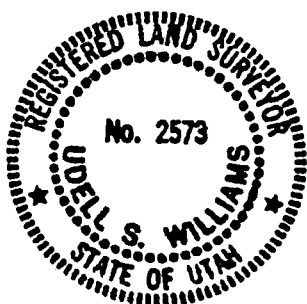
SCALE: 1" = 1000'

FEDERAL BROADHEAD #17-2

Located 847 feet from the North line and 688 feet from the West line of Section 17, T21S, R24E, SLB&M.

Elev. 4386

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Utah RLS No. 2573



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
FEDERAL BROADHEAD #17-2
NW 1/4 NW 1/4 SECTION 17
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 5/2/85
DRAWN BY: USW DATE: 5/3/85

Walter D. Broadhead
Well No. Federal 17-2
Sec. 17, T. 21 S., R. 24 E.
Grand County, Utah
Lease U-26420

B. SURFACE USE PROGRAM

Produced waste water will be confined to a unlined pit.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface (details specified by BLM field personnel).

The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Sporobolus cryptandros	Sand dropseed	2
Hilaria jamesii	Galleta (Curlygrass)	2
Oryzopsis hymenoides	Indian ricegrass	2
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1
Medicago sativa	Alfalfa	1
	(Spreador II, Nomad, Ladak)	
<u>Shrubs</u>		
Atriplex canescens	Fourwing saltbush	2
Eurotia lanata	Winterfat (Whitesage)	2

12 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Greg Noble, Petroleum Engineer Office Phone: (801)259-6111

Home Phone: _____

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins Office Phone: (801)259-8193

Home Phone: 259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

OPERATOR Walter D. Broadhead DATE 9-26-85

WELL NAME Federal 17-2

SEC NWNW 17 T 21S R 24E COUNTY Grant

43-819-31207
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 400'
Need water permit

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT



c-3-a

102-16(B) 11/15/79
CAUSE NO. & DATE



c-3-b



c-3-c

STIPULATIONS:

1- water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 30, 1985

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Gentlemen:

Re: Well No. Federal 17-2 - NW NW Sec. 17, T. 21S, R. 24E
847' FNL, 688' FWL - Grand County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with the Order of Cause No. 102-16(b) dated November 15, 1979 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

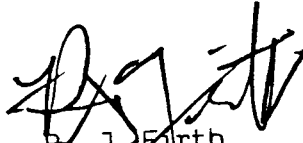
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Walter D. Broadhead
Well No. Federal 17-2
September 30, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31207.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

012009

3162 (U-065)
(U-26420)

RECEIVED
JAN 09 1987

DIVISION OF
OIL, GAS & MINING

Moab District
P. O. Box 970
Moab, Utah 84532

JAN 8 1987

Mr. Walter D. Broadhead
1645 North 7th Street
Grand Junction, CO 81501

Re: Rescinding Application for
Permit to Drill
Well No. Federal 17-2
Sec. 17, T. 21 S., R. 24 E.
Grand County, Utah
Lease U-26420

Gentlemen:

The Application for Permit to Drill the referenced well was approved on October 17, 1985. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/S/ GENE NODINE

District Manager

cc:
State of Utah, Division of Oil, Gas and Mining ✓
Grand Resource Area

bcc:
U-942, Utah State Office

CFreudiger/cf 1/6/87



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

John
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 21, 1987

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Gentlemen:

RE: Well No. Federal #17-2, Sec.17, T.21S, R.24E,
Grand County, Utah, API NO. 43-019-31207

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

John R. Baza
John R. Baza
Petroleum Engineer

sb
cc: BLM-Moab
D. R. Nielson
R. J. Firth
✓ Well file
0327T-41

*870121
VC*